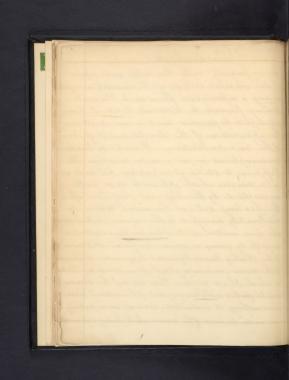
72 g. (TII) 133 Marh !-An Efsay Cynanche Frachealis On Withdrawn at the Group. Much 18th 1824
By W.S. H. Killiam G. Stebb Dean Charlestone South Carolina 1823.

1935 Mark 9.

Inbroduction. In conformity with the rules and regulations of The Medical College of Philadelphia, requ iring a dissertation from each Itudent. looking forward to Medical Motice, I have attempted to produce such a one aswill meet the approbation of the Trustees and Professors of the said Institution. It might be considered presumptuous in me a mere novist in the Profession, to Strike at originality; but more so in a disease, which appears to be so well understoods by the different Professor of the healing art, s at the same time so elaborately discussed by the various suthors who who have written on it: I thufow have contented myself by giving as precise & as faire a statement of the History. Causes, Symtoms, Diagnon's Livatinen of the disease, as I could collect from such authors to which I had acceps ._ There divided the disease into Idiopathic & Sintomatio, but of the latter I have said nothing, its treatment appearing more properly to come under the head of the disease which it may supervene.



Cymanche Frachealis or Croup.

- Trachetis according to the most approved norological diffinition, is an inflammatory affection of the mucous membrane of the Trachea & Laying fre. quently imbracing the Bronchia and Sungs, accompanied with a difficult & laborious buatting in spiration attended with a loud peculiar noise, voice hourse, cough hollow & sonorous, no tumour of the fances, nor difficulty of deglutition. Croup is more commonly met with in temperate; than in colder climates & is more prevalent in winter than in spring, though peculiar to no season, as it appears chiefly to depend upon the state of the Atmosphere. It has been afserted by some Authors, that broup occurs mon figuently on the sea board & in low marshy situations, Though, not con fined to them) than at a distance from the ocean. It does appear that the vicificates of the atmosphere temperature of the atmosphere are guater in proportion to the occurity of the

sea, I as changes of weather induce the disease may not the position be established in this way: The usual way in which this disease comes on is with a small degree of dysproca, & that very suddenly; as it progueses the difficulty of breathing is increased, appearantly of a wheezing nature, in consequence of the passage for the air being obstructed ._ Thould the patient be old enough, he complains of a pain and tightness about the Layring accompanied with a degree of tender ness on being felt a prequently by moving his head either on one side or the other, an acute pain will seize him instantly but not of long duration, for as soon as the head is again restored to its farmer position the patient becomes comparitively easy. -The dyspuca sometimes increases rapidly in other cases slowly, so that pequently the difficulty of heathing for some days, may last, be fore the little sufferer is prounounced

seriously ill ._ Another diagnostic of this disease is, that there is great deque of rathing attendant on the wheezing, though it does not follow that this is a natural consequence. The voice, on account of its shillness, has been generally compared to the peculiar noise occasioned by the cock when labouring under that disease which to many, is known by the little of Pip; or to that unpleasant a Jaming noise ismeing from a brazen tube . - Authors have afserted, that in no one instance has it been met with in adults, but that opinion is erroneous for we have on records the instance of the Memmorable & ever Lamented General Grashington & Professor Hosack in one of his papers mentions a similar case. I Rush also treated a case of this kind in a man by the name of Bampfield from linginia. _ Croup is not so frequently

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met with in Children previous to their being wean ed, as it is, after the period of lactation nas passeds by; for the naviety to the disease appears to dierease, as they advance in age in as much that it is of lare occurrance after we have arrived at the age of twelve or the tien years .- The quat peculiarety of him we are, its the townshow of a mem branous en uling within the deachea, an exudation of habent arteries, The more fluid or water parts being either evaporated or absorbed ._ As toon as the difficulty of breathing becomes considerable the bulse is full a hard; at the same time head ache & restless not substitute & the wille patient complains of great hors. .iis shim being hot a parche de a his lon que white + very foul .- The wine discharged mull in quantity's with much difficulty as the disease advances it becomes declar



I more in quantity is lowards the favour able inmination it de rosels a correns tedement. mually streamy during the whole course . This dise use the bowils are for the most par qually in flated ._ In syranche Trucheales, as well a most of the Briegmand however alar ming in other sometimes mad be their is never and delivere selsint. Though the first may be high, hours a small dique of comas may frequently attends .- Usen fremination "Post Matem" imost univer sally his border : .. naturally formed from hane has lun cand aning in internal surface of the Trucken, eftending down into the defferent rumifications of the Brond hear, It But mes conver & L'very partly? That the descuse - 15 not confined in the trachea . Bronched alone, but that the Sungs are also agreeted by it for cy culting onto them. They have been found hard & dinse, resembling the in



testure of the Siver, instead of the sprongy appear rante which him naturally of tubit. - he. different bates of this desease, the Jung's assume facilities to authors who have willing on the dissections of this part of the body well menutenes all the various it's sens ances; "heum onico. 15 ays Muchaelist the appleaunces of those chied un who have dise from incuis are various for sometimes there is a sancous matter ethorasated in defferent parts of them sometimes the matter found is home lent, at offer times merel a watery fluid In quantity of which is often considerable . -Timilar remarks are made by to Cheyn on the abstreamers exhibited after defree = -trow. - These a siscarances seem widently the usult of increased action in the arter al walow. - The diameter of the tube though which the are basses in the Lungs being ic sends by this membrane the hungs



themselves being obstructed accounts for this extreme deficulty of restriction in the advan -= eed of the disease. _ Croup, has been said by some writers to be of two distinct species namely, Ibasmodie - Intam matory, but this divisions seems to be ill grounded, this spannodie contraction veing a consequent of the custing in fammation noducing a morbid sensibility of the affected part. The late I' Rush was of the Anni no that here was a sparm odie species, but he re linguished it, after seeing a paper un tens by 2 Hosaik of Mew Monto. - . 45 various are the openious concerning the nature of the disease in question, so are they generally adolsted by the different schools .- And as it is customary, we will draw a few inferences, from more of the most able & experianced Authors. It was the opinion of D= Home, that whenever their happiens



to be a very quat secretion of evagulable by the fluids from the glands of the hacken in Children it is owing to their number no being attentive enough , or they being too young to effectionate. - The Himner parts an carried off during effectoration, & the Hicken being left behind, it is consequently comprehed by the destruction which it meets with, owing to the papage of the glottis, being to narrow to give vent infleienthe to the air that balses through it to from a larger canal ._ In this case every encumstance encourages its concention into a tolid firm membrane; while the more internalparts of the muces continues fluid, & the continual secution of more keeps it se scrated home the parts below ._ how I'm Ruch takes a nother view of the subject by saying, that the meternatural membrane cining the Facher, is not the origin of the



disease, on the contrary he thinks it highly adventitions, for this membrane supervenes after the diviase has been existing for a length of time, now the conclusion absence to be this, that the cause of any disease mus must be mion to the disease itself, for without that was really the case, then would he no cause, & as In Rush's obinion sum to be the most correct, Lat the same time the most powerfule, we cannot do other wire than a dott it, at any rate in this particular instance. - With regard to the infectious nature of the disea , it is needless to say much for there are mosts mongh on records to establish this suri ion The for this one instance would be suffi . one wen they not many more, which is, in syseritery, where there is much inflamme now in the Intertines, I when there is much Eympoh thrown out, I not unfuguently



from advenous winch I hink bouid be the case in inflammation of the hacken were it proferble 'a the Lungs to continue un interrupted & in sides of the hachea is be brought into confitation. But other in am stances favour the ideas of its is jections nature, for it prequently Ila: ks more than one in the same Camily & it occasionally has nevaled Andemicailes . In such instances it "ould afforan that they were all under ... influence of the same atmosphere, & Them it occurs in particular families mon frequently than in others Amust 121116 from a particular temperament in disprosing to the disease. I'm Rich in his Medical Enquires volume the first, observes, that he has known Events to · (cold rates & also to succede small sof measels, som throat & sear at fever a



that he was informed by one of his medical friends of its occurrance in Millow Your. in the year 1798. - In Herrian remarks that, in two cases he has seen it superine as an acceptory disease upon Cynanche Maligna, in our instance in a boy about seven years olds he has seen from monie, in flam mation converted, in to crows on the tenth day of ter the disease which destroyed on the day following . _ Phedispoing Causes .- The pudis: - promy courses are a plethonic state of the con stitution. carly ages & previous attacks. This predisposition exists in the con titulion for some line, but it gradually wears away as we advan . in years, & where a predisposition exists from a former attack of the disease, shighter causes are required to execte inflam mation, than would be me cels:



ary under other eineumstänees. This predisposition is not only common to Truchilis but also to Tousililies Poneumonia - Efeiling Causes ._ The exciting causes are a sudden hansition from cold, to heat, more particularly during the In valonce of easterly winds, s exposure to a current of air damp moist weather. withing the feet & neck & ofporume to the might air after a hot day. . Do Chayse umarks, that in cold changable weather this disease is very prevalent, frequently appearing after a cloudy & hazy day, he observes, that he has known a lether in whose family the disease had often made its appear ance, kept in continual anxiety by this state of the atmosphere. It is not improbable that certain Water of the alimentary canal may afrist in producing this disease. Under woods



in his treatest on the diseases of cheloren observes, that the change from milk, to food of a harder digestion, is probably sometimes the cause of Croup, & he goes on to say that it is occasioned by fevers or chronic diseases, that linds to diminus. the strength of the patient. Profimate Cauth. - The notimate cause is an in Hammalion of the mucous membrane living the Tracke a softending to the Bronchia dits ramifications. - From a true we ledge of this cause, we are enabled to form a exect dear of the heatmen! to be sured, & to institute meh a wham of mactice as will be most witable to the removal of the disease. - Track tis has been dirided into the we aistinct stages ... First the forming, second in febrice, a third the mem branous or Sum lent . - This division I think proper to



adopt. In the first or forming stage the disease consits merely in a local affection the system not yet being involved in the general matation which will follow if the local disease is not imby removed .of you loved ._ In the first stage, the chield is in a state of matic yelement rather breasurable than other wite, he will be laughing sizying a manifesting a degree of sprightlings, me acceleration of pulse discoverable inin sool + mrist, but its house hollow sounding I prequently returning coughs its hifin infination & ustle mys a especially its after a parofysm of coughing, thou, h occasion at easy breathing all soint out to hite conversat with the disease. The lunguous con sequences that will follow if nought siffice int measures su not adopted to ward off the accelion of in second or succeding stage of the disease.



The second or Hebrill stage is characterized by active inflammation & general intulation of the system; perumay of the rule what I dry surface, white fund conque priss, runia when ation, lifts & cheeks pretern= - aturally rosy. he quent con shing enating a more acute sound than is observed in the first stage smore regular in the historis noise. - how the ve sels of the hachea, Bronchia & Lungs become wistended & filled with blood from the delle min ation to those parts noducing great of pression. The child expension is not a momento allevation of its sufferings - if no means are resorted to in order to procure relief, in a little lime particularly in plethone habits. Hu face becomes of a purple or avid are reserve - bling upoplety, the child manifesting an inclimation to steep accompanied



with a degree of Stripor .- An effusion som the enrorged refrets now takes place, if the healin int has been in active or the discuss neglection. The mem have a heady alle -- de do to is formed by the effused fluid. I This constitutes the third or Mem branous Stage .- The Mour parts of this effusion being removed in the langs it of hibits the appearance of a viscid matter, while in the Trachea the sumbane is more clearly defined .__ In consequence of an insufficient quantiti fair being admitted into the Lungs from he riesen of this estraneous mallers , the con backet vanier of the windstore in decerbone zation of the Good is but purchasin effection, s nenec. The wire d. abbearance of the courten and ._ 18 hon the. effusion has actually taken place a sent ble decuase of the thite untation, monder the child be coming more cool s combosed hour The signismodie gar ownes in sucutte now with



moderat congrues & different respection . _ sometimes be difficult is restination that immediate be foration is threatened a the while is induced to the on its made back to avoid the danger , I as by his means the Thacked is stended a undowd servicuste the in . - Sife is now hashally terminated by the su sevention of commissions. It llenests. Fracheles deffers from Lary meter in thes way, then bung no efternar hoolling in the former ._ In The latter some de que of tumefactionis le heurse to be discovered in the Fouries which is not present in the former. It is distinguished from Than. . ngilis, by the painfull a difficult deglutition cang absent in Croups from Desophagetes in the same mauner. - Frealment. - The umida usually comployed in this disease, are to various, that at wines we feel our selves at a loss which plan to adoft, but I shall attempt to law down that course which is generally estimated by . tuthors to be the best & most abmoved.



The "up me of the practice of Physick in this University, recom meds in the highest & most Halluing manner, the use of Emoties in this just stages of the disease, who prifers the Antimo Sartaris; in large & repreated doses bearing in minds this precaution, that the child should the fruit onto the warm bath I there he freed to umain ten or fifteen minutes . - By this single operation, a cure has been often effected, & this is not the only reason for wing it par it is the received Sinion that the warm but facillate In . nation of the emetic . - Thould this trial fail in the allempt we must again have acourse to the concise & at the same line use the lances in a very for and coprous manner, togeather with the warm bath . --He goes on to say that it must be a very obstinate case, that does not yield to these hower full remedies . - The next step to be done, in case of no relief, is the application



of Topical bleeding, which is performed by cups applied to the throat, reaching from one car to the other, a should this fail. we - Thou (do employ Nina. Lectio: at Deliqueum Amini, for when carried to this eftent it seldow, if ever, fails of giving immediate reliefs ... After all the symtoms, such as the enigh d. fore have subsided, the next thing to be done, is to employ Calomel, not in small & inquest doses as is usual the practice but in as large ones as polyable, in order to induce the most active purging . - This more of heating the descare, lastly by Calonel, has , various inclucements laid down, & amon! Them, the leading cause is this, that it opins the alimentary canal, removes all the been lent matter louged their during the high stage of the disease, I by this means a relapse is prevented, I recovery founder on a strong basis. - Even after all the



symtoms have abation, some times a little fever homseness & the difficulty of heathing may be still um aining in this case the Polygala Souka, is very much recommended, as an effectorant. I Chapman believes that its best powers are displayed in the umains if the disease, 2/ I think very justly, for as an emotie the Fast: Antimon: is far prefarable. - Now De aullen recommends as the full remedy to be und Blood 1stting, I he observes that so great is the confidence which he places in it that he concludes be saying it unquestionably holds the first place among all the remercies how the plainest in ference that can be drawn from it is this, that the climate in which I Cullen macticed, is much deflerent from this & that the same mode of heatment then would not answer in this part of the globe. It Home is



also an advocate for this manner of twa sting the disease. Bloodletting to me, is unquestionably in excellent remady, but . 1 must be allowed, that it requires great nice rely + 'ulgement to under stand when it showill, a should not be used, tuthors differ much with ugard to what ran should be exemited in some we find the if be not fugue in prefered to without of those in the arm, while on the ther hand we find one in particular It Hosack) is the most fit & mober the hand is be immersed in warm water a view from the back bart . The hand to be opened, which he afsorts can be down with great facility ow in, " the varentarity of the little sationts skin . -As I have already faid an emitie the well be swew in the first place, & to a child under two years of age half a powder composed of fig., Intiman: Jantariz: 2 go XV of Ibecac:



mar he given I uprated in fellien minutes, showed to first dose not operate sufficiently; & broduce a blentifull secretion from the Tracked and Sungs. Thou ca the bowels be constipated we would recommend the half of a common injection to be administered & in an hour Attenuands repeated should the hill mat moduce the desired effect. The just se hours, is the precious time for the ume dies to have this effect + at once checkthe progue of in the state. But it Stew hattens that the Experience is called in after this the first Marcy has bassed by & the febrile symbons inte man fested them selves, the light and cheeks assuring a very com & florid hue. I' Thinas umachs that bloodletting should 14 continued, so as nearly to produce fainting for bus he how are instances on woord. wherein a naction did not take black and the consequences were deathe . - Some remission



of the symtoms generally takes place after Sina Lectio: I now an emelie thould be again given. us all the symtoms may were after a short interval . - If this mode of heatment should. not prove effectual, we must a gain usort to the Lancet but first puling the patient the patient in the warm bath, for as long a time as has aheady been mention = ned ._ Seeches may be applicas to line affected part but according to some writers They are not of any quat benefit acting oning as aufiliaries .- Calomel may again be usorted to, I given in doses sufficiently large enough to produce plentifull evacuations, a repleated every two hours assisting its decation with are enema, as before mentione do ... These um cdi es should be put into requisition as fast as time will admit, & if they do not affords relief by diverting the initation from the



Trucken I how, I truking the jour he Calende in combination with untirious from her to from ; vanns cach should be administered were lie weens that is, if it were sary to heets up the was enations; otherwise a so're have I sant unternous , si he eight table immortable of water marke made & fiver in doses sufferente large onou, de nausi ate the storm a sho & produce relapation . -The my dave bean has been much thought of in from whiters rementing Ham litore, in his with a mer alives as a come the in various implaints out it his day the office waster in preferred . - If it is megsam to shear the descharge from the bowds after the submacence of the in iam materi allow a un det is of Timet l'sie. man be fiven, or it man alto be used a view t the cough, which is some times very destroyers A bout be frome to the with me fer a : but in usen His medicine um on ber that all inflammators to intomes in com butely aleayed . - For the found



Stage, where the countenance of hibits a fluish appearance & quat anxiety, though occasional intervals of ease occur, but last only for a thort time when the memban is already formed cough without the least efforctoration returning in barograms, withination buformer with the quatest deficulty & the wheezing noise continuing : in this stage, which has been generally termed the falad stay, & often prover to; the meler natural mombrane has been known to be therown off in detarlet pieces by the effects of congling and the orations recover do . - Blood to theme is not to be buformed here, nor on the relating am : colies ucon mendled in the former stages, to be per risted in, as the debility aheady existing would be increased & expector ation dimin = wheel ._ In this cute stimulating expectorant are in the cateds, I now un wers better their the Isingal Januar & according to It spelet .



Maryland) it not only produces copious affectionation but also perspiration, & has been found oftunds beneficial not only in his hand, but in many others who have tryed it. Calomel in small doses, afrafatido, sprup of onions, squills & the furnes of vinegar and water have all been tryed a found advantageous in this stage in exceting the secretions & promoting prepriation. - Much confidence is to be placed in the sulfile: Zine: and in fact are the vitrible ametics have proved, in some cases beneficial, although given under the most unfavourable turns. I we should therefore under ench circumstances. not neglect them attograther . They do not produce that languor & prostration of though, though desirable in the first stage, would prove injurious in the latter, by increating the debility. When all the fore goin remedies have been tried sto no effect & the difficult of respiration still exists, the operation of Trachestory has been

performed, + by tome it is much recommended, while on the other hand by some it has been qualty defriciated, & among the latter we find I Chapman, who we his usual cantionswar says it can be performed, but with any advantange he cannot say, at any rate he has never in the courte of his practice in City found or heard of it, ever being attended with benefit. - We also find in the tration of Dr. Cheyne on this directe, unilar umarks, and his practice in this descare appears to have been very eftensive. - His own words are to this effect," That it becomes the Surgeon for the cucit of his profession, to decline an operation to improbable & which proceeds from a mechanical & contracted view of the dise aso . - Juch being my simis as regards the operation & such my views of the disease in question, I submit it. Gentlemen for your Consideration & Reflection.

